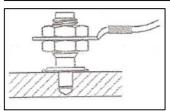


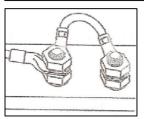
SINGLE POINT CONNECTION



FASTENERS X-BT M10-24-6 SN12-R, X-BT W10-24-6 SN12-R, X-BT M6-24-6 SN12-R, X-BT W6-24-6 SN12-R

MAXIMUM CONNECTED CABLE SIZE < 10 mm COPPER (8 AWG)

DOUBLE POINT CONNECTION



FASTENERS X-BT M10-24-6 SN12-R, X-BT W10-24-6 SN12-R, X-BT M6-24-6 SN12-R, X-BT W6-24-6 SN12-R

MAXIMUM CONNECTED CABLE SIZE < 16 mm COPPER (6 AWG)

NOTE:

- 1. GROUND WIRE ACCORDING TO DESIGN ENGINEERING DETAIL. MAXIMUM 8 AWG SINGLE POINT, 6 AWG DOUBLE POINT. ACCORDING TO EN 60439-1 AND EN 60204-1.
- 2. POWDER-ACTUATED STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS.

Description

THIS DRAWING REPRESENTS A COMMON APPLICATION USED ON PETROCHEMICAL PROJECTS IN UPSTREAM OR DOWNSTREAM TO THE BEST OF HILTI'S KNOWLEDGE. THIS DRAWING IS NEITHER A TECHNICAL DOCUMENTATION NOR AN ENGINEERING JUDGMENT. PLEASE REFER TO PRODUCT TECHNICAL DATA OF EACH HILTI PRODUCT TO CHECK FOR APPLICABLE LIMITATIONS.



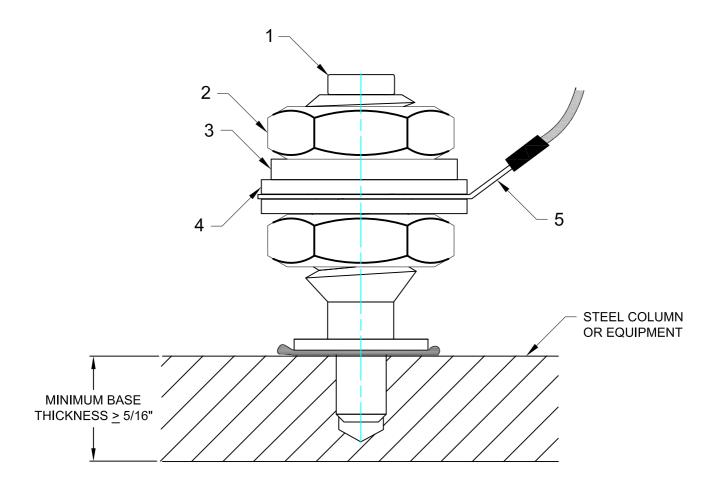
Information and loads are recommendations for static application, and based on the published data in the Hilti Technical Guide (including allowable load values, factors of safety, methods of calculation and limiting factors). The responsible project engineer must verify suitability for any specific application. Modification to design may alter performance and should be evaluated by engineer of record.

Drawn Developer HAM/JGB RPB Date 25 JUN 12 Drawng No.

DETAILS FOR ELECTRICAL ENGINEERS

GROUNDING CONNECTIONS

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NOTES:

- 1. SPACE POWDER-ACTUATED STUDS ACCORDINGLY TO ACCOMMODATE DESIGN REQUIREMENTS.
- 2. POWDER-ACTUATED STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS

| Item | Description | Quantity |
|------|--|----------|
| 1 | HILTI X-BT W10-24-6 SN12-R #377076 | 1 |
| 2 | HEX JAM NUT 3/8-16, ALLOY GROUP 2 (316SS) ACCORDING TO ASTM F 594 | 1 |
| 3 | REGULAR HELICAL SPRING LOCK WASHER ACCORDING TO B18.12.1, 316 STAINLESS STEEL ACCORDING TO SAE J405. | 1 |
| 4 | TYPE A PLAIN WASHER ACCORDING TO ANSI B18.22.1, MATERIAL ACCORDING TO ASTM AZ4D TYPE 316. | 2 |
| 5 | RING TERMINATED COPPER OR ALUMINUM CONDUCTORS | 1 |



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Drawn Developer RPB
Date 28 JUN 12
Drawlng No.

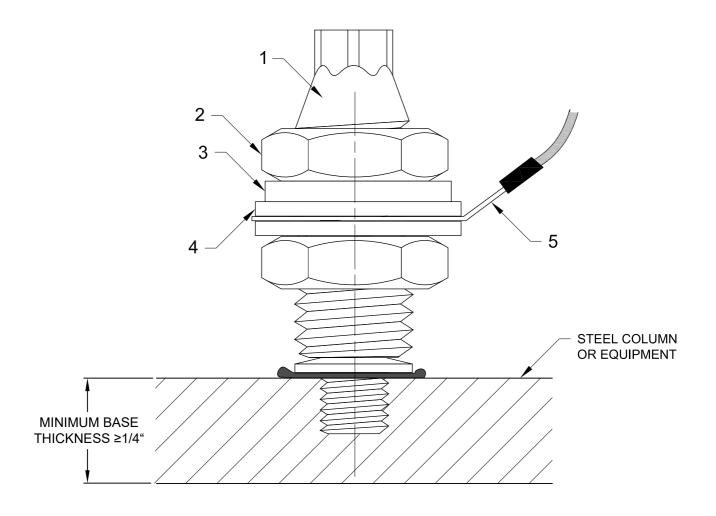
DETAILS FOR ELECTRICAL ENGINEERS

SHORT TIME CURRENT GROUNDING

Drawing No.

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NOTES:

- 1. SPACE HILTI S-BT STUDS ACCORDINGLY TO ACCOMMODATE DESIGN REQUIREMENTS.
- 2. HILTI S-BT STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS

| Item | Description | Quantity |
|------|--|----------|
| 1 | HILTI S-BT-MR W10/15 SN6 #2140741 | 1 |
| 2 | HEX JAM NUT 3/8-16, ALLOY GROUP 2 (316SS) ACCORDING TO ASTM F 594 | 2 |
| 3 | REGULAR HELICAL SPRING LOCK WASHER ACCORDING TO B18.12.1, 316 STAINLESS STEEL ACCORDING TO SAE J405. | 1 |
| 4 | TYPE A PLAIN WASHER ACCORDING TO ANSI B18.22.1, MATERIAL ACCORDING TO ASTM AZ4D TYPE 316. | 2 |
| 5 | RING TERMINATED COPPER OR ALUMINUM CONDUCTORS | 1 |

Description



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GAB RPB
Date
21 NOV 2016
Drawling No.

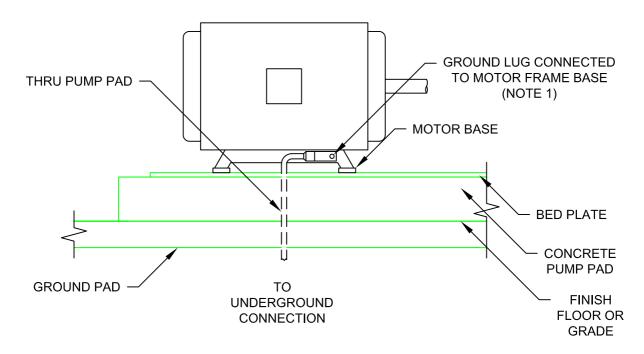
Developer

DETAILS FOR ELECTRICAL ENGINEERS

SHORT TIME CURRENT GROUNDING WITH S-BT

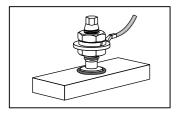
12-122-11 Index B Sheet 1/1







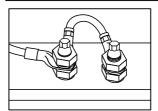
SINGLE POINT CONNECTION



FASTENERS S-BT-MR W10/15 SN6 S-BT-MF W10/15 AN6 S-BT-MR M10/15 SN6 S-BT-MF M10/15 AN6 S-BT-MR M8/15 SN6 S-BT-MF M8/15 AN6

MAXIMUM CONNECTED CABLE SIZE < 10 mm COPPER (8 AWG)

DOUBLE POINT CONNECTION



FASTENERS S-BT-MR W10/15 SN6 S-BT-MF W10/15 AN6 S-BT-MR M10/15 SN6 S-BT-MF M10/15 AN6 S-BT-MR M8/15 SN6 S-BT-MF M8/15 AN6

MAXIMUM CONNECTED CABLE SIZE < 16 mm COPPER (6 AWG)

NOTE:

- GROUND WIRE ACCORDING TO DESIGN ENGINEERING DETAIL. MAXIMUM 8 AWG SINGLE POINT. 6 AWG DOUBLE POINT. ACCORDING TO EN 60439-1 AND EN 60204-1.
- 2. HILTI S-BT STUDS SHALL BE INSTALLED PER HILTI INSTALLATION INSTRUCTIONS.

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HAM/JGB RPB 21 NOV 2016

GROUNDING CONNECTIONS WITH S-BT

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